明治十九年四月刊行

明治十九年三月
廿三日出版届濟

定價金拾三錢

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觀測士 海軍中尉 山崎喜勝
觀測助手 海軍屬 中川將行
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同 海軍五等工長 坂口壯輔
同 海軍五等工長 遠藤外與吉

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Y. Yamazaki.

Assistant.
M. Nakagawa.
„ N. Itō.
„ K. Iwama.
„ K. Ozawa.
„ S. Sakaguchi.
„ T. Yendō.

REMARKS.

Day.

1 Fine & pleasant in a. m., Dull in p. m., Fine & pleasant in night.
2 Dull; R. from about 4 p. m., S. from about 10 p. m.
3 S. in all day.
4 S. to past 3 a. m., B. from noon.
5 C; R. at about 1. 30 p. m.
6 Fine & pleasant after day break.
7 Fine & pleasant; H. F. in this morning.
8 Fine & pleasant to 9 a. m., C; R. from past 4 p. m.
9 R. to 3. 30 a. m., Fine & pleasant.
10 Fine & pleasant to day break; Dull; N. w_2 in p. m.
11 Dull in a. m., Fine & pleasant in p. m., N. w_2 in a. m.
12 B; *l. h.* at past 6 p. m.
13 C; R. past 10 a. m.—past 10 p. m.
14 B. in day; Dull in night.
15 Dull.
16 Dull, with blue sky at intervals; *l. h.* at 7 p. m.
17 B. in a. m., Dull in p. m.
18 Dull to past 9 a. m., Fine & pleasant; S. W. w_3 from 10 a. m.
19 Dull; R. at about 1 p. m., S. w_3 to 2 p. m., N. w_2 from 2 p. m.
20 Fine & pleasant in day; Dull in night; N. w_2 to noon.
21 C.
22 C. in a. m., B. in p.m.
23 Dull; S. w_2 after 3 p. m.
24 Cloudy, with rainfall at intervals; T. at past 7 a. m., S. w_3 to 3 p. m.
25 R. to about 3 p. m. C.
26 Dull; E. at about 6. 07 a. m., Fine & pleasant in nignt.
27 Fine & pleasant in a. m., C. in p. m., Light shower at past 1 p. m., Fine & pleasant in night; N. w_2 after 7 a. m.
28 Fine & pleasant in a. m., Dull in p. m., Fine & pleasant in night; H. F. in this morning.
29 Fine & pleasant.
30 Fine & pleasant.
31 Dull in a. m., C. in p. m.

記事

一日 午前快晴午後薄陰夜來復快晴

二日 薄陰午後四時頃ヨリ降雨シ同十時頃ヨリ微雪ヲ交ユ

三日 終日降雪

四日 午前三時過雪歇ミ正午過ヨリ漸々晴

五日 陰午後一時三十分頃ヨリ暫時微雨降ル

六日 拂曉後續テ快晴

七日 終日快晴今朝降霜甚シ

八日 午前九時迄快晴爾後陰午後四時過ヨリ降雨

九日 午前三時三十分宿雨歇ミ後快晴

十日 拂曉迄快晴爾後薄陰午後北風稍强

十一日 午前薄晴午後快晴午前北風稍强

十二日 晴午後六時過月暈ヲ帶ブ

十三日 陰午前十時過ヨリ午後十時過迄降雨

十四日 晝間晴夜間薄陰

十五日 終日薄陰

十六日 薄陰時々晴ヲ催シ午後七時月暈ヲ帶ブ

十七日 午前晴午後薄陰

十八日 午前九時過迄薄陰爾後快晴午前十時頃ヨリ南西强風

十九日 薄陰午後一時頃ヨリ暫時降雨シ同二時迄南風强同時後北ニ轉シテ稍衰フ

二十日 晝間快晴夜間薄陰正午迄北風稍强

廿一日 終日陰天

廿二日 午前陰午後漸々晴

廿三日 薄陰午後三時後南風稍强

廿四日 陰天時々降雨シ午前七時過雷鳴ヲ聞ク午後三時迄南風强

廿五日 午後三時頃迄微雨爾後陰天

廿六日 薄陰午前六時七分頃地震シ夜ニ入リ快晴

廿七日 午前快晴午後陰同一時過暫時ノ間疎雨シ夜來再ヒ快晴午前七時後北風稍强

廿八日 午前快晴午後薄陰夜來復快晴今朝降霜甚シ

廿九日 終日快晴

三十日 續テ快晴

卅一日 午前薄晴午後陰

地平磁針力
HORIZONTAL INTENSITY.

9th Beginning time 1^h 48^m / Ending time 2 45 P. M. 九日午後一時四十八分ヨリ二時十五分ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A	B	Mean.	No.	A	B	Mean.
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
東 East.	E.	1	240 20 50	20 0	20 20				
	W.					2	233 37 0	36 20	36 40
	E.	3	240 21 20	20 20	20 50				
	W.					4	233 36 40	36 0	36 20
	E.	5	240 20 40	20 0	20 20				
平均 Means			240° 20′ 30″.0				………… 233° 36′ 30″.0		
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
西 West.	W.					6	233 32 20	31 00	31 40
	E.	7	240 14 00	13 20	13 40				
	W.					8	233 32 40	31 00	31 50
	E.	9	240 14 20	13 20	13 50				
	W.					10	233 32 40	31 20	32 00
平均 Means.			240° 13′ 45″				………… 233° 31′ 50″		

搖振時 Oscillations.

振數 No. of Osc.	測時 Time. h	m	s	溫度 Temp.	尺度兩端之視閱數 Extreme Scale-readings.		百振之時 Time of 100 Oscillations. m	s
0	2	31	45.2	51.0	13.0	47.2		
10	2	32	29.5					
20	2	33	13.4					
31	2	34	2.6					
41	2	34	46.3					
51	2	35	30.8					
100	2	39	8.0				7	22.8
110	2	39	52.0					22.5
120	2	40	35.9					22.5
131	2	41	25.0					22.4
141	2	42	9.3					23.0
151	2	42	53.6	51.0	21.0	38.8		22.8
平均 Means.				51.0	…………………		7	22.67

平均溫度 Mean Temperature $t = 56.7°$ fah.
偏針角 Angle of Deflection $u = 3° 21′ 28.8″$
拗捩差 Mean effect of 90° of Torsion $v = 3.20$
時儀日差 Daily rate $s = 2^s 17$ losing.

成果 Resulting absolute value X = 6.3119

23th Beginning time 3^h 5^m / Ending time 4 30 P. M. 廿三日午後三時五分ヨリ四時三十分ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A	B	Mean.	No.	A	B	Mean.
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
東 East.	E.	1	59 2 20	1 40	2 0				
	W.					2	52 18 50	18 10	18 30
	E.	3	59 2 40	2 0	2 20				
	W.					4	52 19 10	18 30	18 50
	E.	5	59 3 0	2 20	2 40				
平均 Means.			59° 2′ 20″.0				………… 52° 18′ 40″.0		
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
西 West.	W.					6	52 15 40	15 10	15 25
	E.	7	58 58 20	57 40	58 0				
	W.					8	52 16 0	15 30	15 45
	E.	9	58 58 50	58 10	58 30				
	W.					10	52 16 40	16 10	16 25
平均 Means.			58° 58′ 15″.0				………… 52° 15′ 51″.7		

搖振時 Oscillations.

振數 No. of Osc.	測時 Time. h	m	s	溫度 Temp.	尺度兩端之視閱數 Extreme Scale-readings.		百振之時 Time of 100 Oscillations. m	s
0	4	18	8.5	58.0	2.6	57.3		
10	4	18	53.0					
20	4	19	37.3					
31	4	20	25.7					
41	4	21	10.2					
51	4	21	54.5					
100	4	25	31.4				7	22.9
110	4	26	15.3					22.3
120	4	26	59.6					22.3
131	4	27	48.4					22.7
141	4	28	32.9					22.7
151	4	29	16.8	58.4	13.8	45.2		22.3
平均 Means.				58.2	…………………		7	22.53

平均溫度 Mean Temperature $t = 59°.0$ fah.
偏針角 Angle of Deflection $u = 3° 21′ 30.8″$
拗捩差 Mean effect of 90° of Torsion $v = 2.41$
時儀日差 Daily rate $s = 5^s 91$ losing.

成果 Resulting absolute value X = 6.3244

磁氣觀測之月報

東京海軍觀象臺

MONTHLY REPORT OF THE MAGNETICAL OBSERVATIONS, NAVAL OBSERVATORY, TOKIO.

磁氣偏差 Magnetic Declination.

Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′
1	4 6.7	5	4 5.1	9	4 6.8	13	4 4.6	17	4 3.6	21	4 3.4	25	4 7.6	29	4 5.0
2	4 7.0	6	4 6.2	10	4 5.8	14	4 4.5	18	4 4.2	22	4 3.5	26	4 7.9	30	4 5.1
3	4 6.2	7	4 6.9	11	4 4.7	15	4 2.5	19	4 3.3	23	4 4.6	27	4 6.5	31	4 12.6
4	4 5.3	8	4 8.1	12	4 3.9	16	4 3.7	20	4 6.2	24	4 4.5	28	4 5.6		

平均 Mean = 4° 5′.54

磁氣傾差 Magnetic Inclination.

9th Beginning / Ending time 3ʰ 30ᵐ / 4 30 P. M. 九日午後三時三十分ヨリ四時三十分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle W.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Face E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 33	49 31	49 15	49 13	49 52	50 7	50 19	50 19	49 21	49 20.5	49 28	49 27	49 51	49 53	49 17	49 20
49 34	49 31	49 23	49 21	49 53	50 8	49 52	49 53	49 56	49 55.0	49 29	49 28	50 6	50 8	49 31	49 33
49 33.5	49 31.0	49 19.0	49 17.0	49 52.5	50 7.5	50 5.5	50 6.0	49 38.5	49 37.7	49 28.5	49 27.5	49 58.5	50 0.5	49 24.0	49 26.5
49 32.2		49 18.0		50 0.0		50 5.8		49 38.1		49 28.0		49 59.5		49 25.3	
49 25.1				50 2.9				49 33.0				49 42.4			
49 44.0								49 37.7							

成果 Resulting Dip = 49° 40′.9

23th Beginning / Ending time 5ʰ 0ᵐ / 5 35 P. M. 廿三日午後五時ヨリ同三十五分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle W.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Eace E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 47	49 49	49 36	49 33	49 15	49 16	49 23	49 21	49 5	49 5	49 7	49 10	49 51	49 50	49 46	49 48
49 50	49 51	49 35	49 34	49 36	49 37	49 18	49 16	49 5	49 5	49 1	49 3	50 17	50 18	49 50	49 53
49 48.5	49 50.0	49 35.5	49 33.5	49 25.5	49 26.5	49 20.5	49 18.5	49 5.0	49 5.0	49 4.0	49 6.5	50 4.0	50 4.0	49 48.0	49 50.5
49 49.3		49 34.5		49 26.0		49 19.5		49 5.0		49 5.2		50 4.0		49 49.2	
49 41.9				49 22.7				49 5.1				49 56.6			
49 32.3								59 30.9							

成果 Resulting Dip = 49° 31′.6

天候
WEATHER.

日次 Date	雲之種類 Kind of Cloud. 巻雲 Cirrus.	積雲 Cumulus	層雲 Stratus.	巻積雲 Cirro-Cumulus.	巻層雲 Cirro-Stratus	積層雲 Cumulo-Stratus.	巻積層雲 Cirro-Cumulo-Stratus.	降雨 Rain.	降雪 Snow.	靄霧 Fog.	全晴 Clear.	陰部 Obscured part.	雨雪水量 Amount of Rain & Snow.
													in
1	...	...	1	5	1	...	...	...	...	...	1	3.0	...
2	...	...	...	5	...	...	...	2	1	...	...	9.1	...
3	...	...	...	...	...	...	...	...	8	...	...	10.0	0 28
4	...	...	...	7	...	...	...	...	1	...	...	7.1	0.89
5	...	3	...	4	...	...	...	1	...	...	...	9.6	...
6	...	...	1	2	...	...	1	...	...	...	4	1.3	...
7	...	...	...	4	...	...	...	...	...	...	4	0.5	...
8	1	...	...	4	...	...	...	2	...	...	1	7.1	...
9	...	...	...	7	...	...	...	1	...	...	...	3.4	1.08
10	...	...	...	8	...	...	...	...	...	...	...	8.0	...
11	...	...	...	8	...	...	...	...	...	...	...	4.8	...
12	1	...	...	7	...	...	...	...	...	...	...	5.3	...
13	...	...	...	3	...	1	...	4	...	...	...	9.1	...
14	...	...	...	7	...	...	...	...	...	...	1	2.6	0.62
15	...	...	...	8	...	...	...	...	...	...	...	9.0	...
16	...	...	...	8	...	...	...	...	...	...	...	7.4	...
17	...	...	...	8	...	...	...	...	...	...	...	5.5	...
18	...	...	...	7	...	...	1	...	...	...	...	5.1	...
19	...	...	...	6	...	1	...	1	...	...	...	8.8	...
20	1	...	1	5	...	...	1	...	...	...	...	3.8	...
21	...	1	...	2	...	5	...	...	...	...	...	10.0	...
22	2	...	...	4	...	...	1	...	...	...	1	6.1	...
23	...	...	...	8	...	...	...	...	...	...	...	8.3	...
24	...	...	...	5	...	...	...	3	...	...	...	9.3	...
25	...	...	...	3	...	...	...	5	...	...	...	10.0	0.27
26	...	...	...	7	...	...	1	...	...	...	...	7.1	0.04
27	...	...	...	7	...	...	...	...	...	...	1	3.6	...
28	...	...	...	6	...	...	1	...	...	...	1	3.0	...
29	...	...	...	3	1	...	...	...	...	...	4	0.5	...
30	1	...	...	...	1	...	...	...	...	...	6	1.0	...
31	...	...	...	8	...	...	...	...	...	...	...	8.9	...
合計 Sums.	6	4	3	166	3	7	6	19	10	...	24	...	3.18
平均 Means.	...	...	...	...	...	...	...	...	...	...	...	6.7	...

明治十九年三月
MARCH 1886.

風 WIND.

日次 Date.	平穩時數 Hours of Calm.	北 N. 時數 Number of Hours.	北 N. 速力 Number of Miles.	東北 N. E. 時數 Number of Hours.	東北 N. E. 速力 Number of Miles.	東 E. 時數 Number of Hours.	東 E. 速力 Number of Miles.	東南 S. E. 時數 Number of Hours.	東南 S. E. 速力 Number of Miles.	南 S. 時數 Number of Hours.	南 S. 速力 Number of Miles.	西南 S. W. 時數 Number of Hours.	西南 S. W. 速力 Number of Miles.	西 W. 時數 Number of Hours.	西 W. 速力 Number of Miles.	西北 N. W. 時數 Number of Hours.	西北 N. W. 速力 Number of Miles.	合計 Total. 時數 Number of Hours.	合計 Total. 速力 Number of Miles.	最强 Strongest. 方位 Directions.	最强 Strongest. 速力 Miles.
1	...	7	70.3	4	15.5	...	...	2	17.4	3	27.7	4	10.2	...	...	4	21.8	24	162.9	S. E.	12.0
2	...	10	42.5	10	85.9	4	40.5	...	...	...	...	...	...	...	...	...	...	24	168.9	N.E.	11.5
3	...	23	234.0	1	5.6	...	...	...	...	...	...	...	...	...	...	...	...	24	239.6	N.	14.1
4	...	15	149.6	5	18.5	4	30.8	...	...	...	...	...	...	...	...	...	...	24	198.9	N.	13.0
5	...	15	73.3	9	46.0	...	...	...	...	...	...	...	...	...	...	...	...	24	119.3	N.	7.9
6	...	8	49.2	16	160.3	...	...	...	...	...	...	...	...	...	...	...	...	24	209.5	N.E.	17.7
7	2	7	7.8	...	...	1	3.5	10	47.4	4	13.6	...	...	...	...	...	...	24	72.3	S. E.	7.3
8	6	7	22.6	1	0.8	...	...	4	8.0	4	7.9	...	...	1	4.2	1	2.3	24	45.8	N.	6.7
9	3	2	12.0	1	4.5	1	6.9	2	5.5	9	33.9	...	...	...	...	6	34.4	24	97.2	N. W.	11.3
10	...	20	229.1	...	...	...	...	...	...	...	...	...	...	...	...	4	50.6	24	279.7	N.	19.7
11	...	14	232.6	...	...	...	...	...	...	3	8.7	3	4.1	...	...	4	37.9	24	283.3	N.	22.3
12	...	11	75.8	1	4.6	3	7.0	9	75.1	...	...	...	...	...	...	...	...	24	162.5	S.E.	13.1
13	2	13	71.5	3	6.7	1	1.7	...	...	...	...	...	...	...	2.6	5	58.4	24	138.3	N.W.	14.7
14	...	15	156.7	...	...	...	...	...	...	...	...	...	...	1	...	8	116.6	24	275.9	N.W.	19.9
15	...	9	30.1	7	50.7	6	51.0	2	12.7	...	...	...	...	...	...	...	...	24	144.5	N.E.	11.3
16	...	5	34.8	14	69.7	5	16.5	...	...	...	...	...	...	...	...	...	...	24	121.0	N.E.	9.0
17	1	8	11.3	1	1.5	...	...	5	34.7	9	65.1	...	...	...	...	...	...	24	112.6	S.	11.9
18	...	...	...	...	...	...	...	...	...	12	153.4	12	301.4	...	...	...	...	24	454 8	S.	36.5
19	...	10	160 2	...	...	...	...	...	...	9	259.8	5	159.7	...	...	...	...	24	579.7	S.	* 38.4
20	...	6	107.1	...	...	...	...	...	...	5	31.1	...	...	...	...	13	193.8	24	332.0	N. W.	25.0
21	...	24	83.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24	83.8	N.	12.3
22	...	12	43.0	...	...	...	...	3	19.4	8	57.1	1	5.3	...	...	...	...	24	124.8	S.	11.0
23	...	1	2.3	...	...	1	2.6	2	13.1	8	124.9	7	27.9	...	...	5	13.2	24	184.0	S.W.	20.5
24	...	3	25.7	5	60.3	...	...	...	...	11	299.1	4	111.3	...	...	1	16.7	24	513.1	S.	34.2
25	...	...	...	22	142.8	2	17.5	...	...	...	...	...	...	...	...	...	...	24	160.3	N.E.	12.3
26	6	...	...	5	3.3	6	21.0	7	21.1	...	...	...	...	...	...	...	...	24	45.4	S.E.	5.3
27	...	17	187.5	...	...	3	3.2	1	4.9	...	...	...	...	...	...	3	53.3	24	248.9	N.	21.1
28	...	11	56.3	...	...	...	...	2	18.1	2	23.9	8	35.6	...	...	1	10.7	24	144.6	S.	12.3
29	...	3	22.1	1	3.6	...	...	2	17.8	7	38.6	2	12.2	...	...	9	74.8	24	169.1	S.E.	10.3
30	...	3	17.4	...	...	...	...	1	7.5	11	65.9	...	...	...	...	9	46.1	24	136.9	N.W.	8.8
31	...	...	...	...	...	...	...	4	31.7	14	42.1	6	51.2	...	...	...	...	24	125.0	S.W.	13.8
計合 Sums.	20	279	2208.6	106	680.3	37	202.2	56	334.4	119	1252.8	52	718.9	2	6.8	73	730.6	744	6134.6	..	...
極强 Max.	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	..	......	S.	38.4

濕氣百分數

HUMIDITY.

(Saturation = 100)

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
1	65	60	54	51	52	59	68	59
2	75	71	62	69	68	72	89	98
3	97	97	96	95	97	96	97	93
4	96	92	80	74	62	78	85	87
5	83	82	75	74	74	84	89	87
6	76	77	64	55	58	63	79	88
7	96	81	73	65	53	69	76	81
8	93	94	78	69	71	94	91	96
9	99	99	82	67	51	65	75	77
10	67	63	57	51	50	50	55	58
11	71	72	78	49	48	63	67	57
12	53	53	55	45	43	73	84	90
13	88	86	80	91	94	98	96	84
14	69	65	57	49	45	52	53	63
15	60	71	65	58	61	67	77	80
16	77	85	75	60	61	69	86	84
17	95	98	71	52	56	82	76	69
18	84	70	66	53	53	65	73	68
19	69	73	75	71	85	57	50	53
20	54	59	41	41	39	55	57	55
21	57	62	58	59	65	68	72	77
22	81	76	65	54	53	66	79	87
23	96	90	70	66	74	86	94	82
24	85	86	95	80	55	79	91	91
25	95	94	92	92	95	85	87	91
26	91	91	81	69	60	67	78	87
27	92	92	53	45	41	46	60	60
28	62	58	49	41	43	48	55	60
29	64	61	48	44	47	54	69	58
30	66	80	50	55	46	59	70	75
31	88	85	62	56	69	73	69	84
平均 Means.	79	78	68	61	60	66	76	77

蒸發力

ELASTIC FORCE OF VAPOUR.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	in	in	in	in	in	in	in	in
1	0.141	0.128	0.151	0.190	0.182	0.179	0.172	0.149
2	0.165	0.152	0.162	0.217	0.204	0.184	0.204	0.190
3	0.185	0.182	0.186	0.193	0.185	0.184	0.186	0.183
4	0.186	0.186	0.184	0.206	0.220	0.215	0.204	0.191
5	0.182	0.172	0.187	0.199	0.209	0.226	0.225	0.218
6	0.173	0.149	0.162	0.180	0.217	0.172	0.170	0.159
7	0.161	0.138	0.188	0.225	0.204	0.221	0.209	0.226
8	0.177	0.168	0.206	0.246	0.246	0.293	0.283	0.298
9	0.286	0.255	0.324	0.358	0.321	0.292	0.285	0.231
10	0.186	0.161	0.166	0.186	0.185	0.140	0.128	0.118
11	0.134	0.127	0.161	0.135	0.156	0.164	0.148	0.119
12	0.095	0.088	0.127	0.154	0.152	0.217	0.234	0.217
13	0.199	0.210	0.228	0.258	0.2[illegible]9	0.260	0.248	0.250
14	0.202	0.190	0.224	0.229	0.233	0.198	0.158	0.170
15	0.167	0.168	0.189	0.244	0.238	0.215	0.224	0.211
16	0.197	0.193	0.222	0.249	0.273	0.276	0.277	0.278
17	0.254	0.242	0.286	0.297	0.293	0.351	0.323	0.289
18	0.330	0.294	0.339	0.362	0.348	0.356	0.375	0.366
19	0.365	0.391	0.416	0.406	0.316	0.214	0.168	0.148
20	0.128	0.125	0.115	0.145	0.166	0.153	0.149	0.137
21	0.128	0.134	0.137	0.162	0.181	0.179	0.184	0.185
22	0.182	0.162	0.188	0.199	0.222	0.256	0.260	0.256
23	0.231	0.217	0.228	0.301	0.344	0.384	0.451	0.430
24	0.480	0.514	0.560	0.560	0.444	0.349	0.369	0.317
25	0.302	0.278	0.245	0.235	0.238	0.216	0.219	0.222
26	0.226	0.226	0.238	0.249	0.241	0.237	0.225	0.213
27	0.218	0.198	0.172	0.162	0.141	0.139	0.131	0.117
28	0.117	0.102	0.143	0.164	0.160	0.158	0.146	0.138
29	0.128	0.120	0.147	0.184	0.197	0.199	0.196	0.154
30	0.152	0.154	0.174	0.217	0.223	0.247	0.253	0.220
31	0.235	0.205	0.218	0.289	0.336	0.357	0.334	0.348
平均 Means.	0.203	0.195	0.215	0.239	0.237	0.233	0.230	0.214

露點温度

DEW POINT.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	°
1	26.0	23.9	27.6	33.3	32.2	31.8	30.8	27.3
2	29.7	27.9	29.4	36.6	35.1	32.4	35.1	33.3
3	32.6	32.1	32.8	33.6	32.6	32.4	32.7	32.3
4	32.8	32.7	32.4	35.3	37.0	36.4	35.1	33.4
5	32.2	30.8	32.9	34.4	35.7	37.7	37.6	36.8
6	30.9	27.3	29.4	31.9	36.6	30.8	30.5	28.7
7	29.2	25.5	33.1	37.6	35.1	37.1	35.7	37.7
8	31.5	30.2	35.3	39.9	39.9	44.4	43.5	44.9
9	43.8	40.8	47.1	49.8	46.8	44.3	43.7	38.2
10	32.7	29.2	29.8	32.7	32.6	25.8	23.9	22.0
11	24.9	23.6	29.2	25.0	28.5	29.6	27.1	22.2
12	17.4	15.5	23.6	28.2	27.8	36.6	38.4	36.6
13	34.4	35.8	37.9	41.1	41.2	41.3	40.1	40.3
14	34.8	33.3	37.4	38.0	38.5	34.3	28.8	30.5
15	30.0	30.1	33.4	39.7	39.0	36.4	37.4	35.9
16	34.2	33.7	37.2	40.2	42.6	42.9	43.0	43.1
17	40.7	39.5	43.8	44.8	44.4	49.2	47.0	44.1
18	47.6	44.5	48.3	50.1	49.0	49.6	51.1	50.4
19	50.3	52.2	53.9	53.2	46.4	36.3	30.1	27.2
20	23.8	23.4	21.4	26.6	29.8	28.0	27.3	25.4
21	23.9	24.8	25.3	29.4	32.0	31.7	32.4	32.6
22	32.2	29.3	33.1	34.5	37.2	40.9	41.3	40.9
23	38.3	36.6	37.9	45.1	48.7	51.7	56.1	54.8
24	57.9	59.8	62.2	62.2	55.7	49.1	50.6	46.5
25	45.2	43.1	39.8	38.7	39.0	36.5	36.7	37.2
26	37.7	37.7	39.1	40.2	39.4	38.9	37.5	36.1
27	36.9	34.3	30.7	29.4	26.0	25.6	24.4	21.9
28	21.9	18.8	26.4	29.6	29.1	28.7	26.8	25.5
29	23.2	22.4	27.0	32.4	34.2	34.4	34.0	28.2
30	27.8	28.1	31.1	36.6	37.3	40.0	40.6	37.0
31	38.7	35.2	36.8	44.1	48.1	49.7	47.9	49.0
平均 Means.	34.3	32.3	35.0	37.9	38.0	37.5	37.0	35.5

寒暑鍼

THERMOMETER.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	°
1	36.0	36.3	43.0	51.2	49.2	45.3	40.6	40.7
2	37.0	36.5	41.7	45.8	45.0	41.0	38.0	33.9
3	33 2	32.8	33 9	34.9	33.2	33.5	33.5	34.0
4	33.9	34.8	38.0	42.9	49.8	43.0	39.3	37 0
5	37.0	35.8	40.3	42.2	43.7	42.2	41.4	40.5
6	38.0	33.5	40.7	47.1	50.9	42.7	36.2	31 2
7	30.0	30.0	41.0	49.2	51.9	46.3	42.5	42.5
8	33.3	31.6	42.0	49.8	49.0	46.1	46.0	46.0
9	44.0	41.0	52.7	61.0	65.0	56.1	51.6	45.3
10	43.0	40.4	44.0	50.7	51.0	43.0	38.8	35.0
11	33.0	31.0	35.5	42.7	47.5	41.1	37.0	35.3
12	32 7	30.8	38.2	49.0	49.5	44.8	43.0	39.1
13	37.7	39.7	43.7	43.7	42.7	42.0	41.0	45.0
14	44.4	44.5	52.3	57.2	59.8	51.4	45.0	42.3
15	43.0	38.7	44.3	54.5	52.3	47.0	44.3	41.5
16	41.0	37.7	45 0	53.7	56.2	52.7	46.8	47.5
17	42.0	40.0	52.8	62.7	60.3	54.4	54.7	53.8
18	52.4	54.0	59.8	68.0	67.0	61.7	59.5	61.0
19	60.5	60.6	62.0	63.0	50.5	51.0	48.0	48.0
20	38.7	36.1	43.3	49.4	54.0	43.0	41.5	39.8
21	37.5	36.4	38.8	42.8	43.0	41.7	41.0	39.5
22	37.9	36.0	44.0	51.0	54.0	52.0	47.0	44.6
23	39.2	39.1	47.0	56.2	57.0	56.0	58.0	60.6
24	62 5	64.0	64.0	68.7	72.8	55.7	53.0	49.0
25	46.5	44.8	42.0	41.0	40.4	40.9	40.6	39.5
26	40.0	40 0	44.5	50.0	53.0	49.3	43.9	39.5
27	38.8	36.3	46.4	50.0	48.9	45.0	37.0	34.3
28	33.0	31.7	44.0	52.2	50.9	47.3	42.0	38.0
29	33.8	34.0	45.7	53.7	54.0	50.2	43.6	42.3
30	38.4	33 3	49.2	52.7	58.2	54.1	50.2	44.8
31	42.0	39.4	49.8	60.0	58.5	58.3	58.0	54.0
平均 Means.	40.0	38.7	45.5	51.5	52.2	48.0	44.6	42.6

改正風雨鍼

BAROMETER.

Reduced to 32° F. and sea level.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	in	in	in	in	in	in	in	in
1	30.102	30.171	30.274	30.199	30.164	30.200	30.261	30.246
2	30.2[illegible]6	30.280	30.324	30.302	30.2[illegible]5	30.291	30.333	30.322
3	30.294	30.293	30.288	30.240	30.189	30.209	30.226	30.188
4	30.172	30.161	30.262	30.235	30.187	30.221	30.286	30.280
5	30.239	30.256	30.285	30.257	30.196	30.216	30.245	30.230
6	30.226	30.256	30.286	30.241	30.236	30.305	30.379	30.390
7	30.3[illegible]5	30.428	30.470	30.446	30.416	30.449	30.494	30.480
8	30.462	30.464	30.463	30.397	30.338	30.267	30.168	30.025
9	29.816	29.839	29.904	29.876	29.822	29.848	29.899	29.919
10	29.912	29.938	29.977	29.922	29.863	29.928	30.002	30.015
11	30.036	30.079	30.129	30.097	30.058	30.082	30.125	30.164
12	30.179	30.223	30.268	30.243	30.208	30.227	30.260	30.190
13	30.165	30.100	30.089	29.966	29.818	29.656	29.534	29.555
14	29.638	29.762	29.851	29.894	29.921	30.026	30.107	30.160
15	30.175	30.256	30.293	30.298	30.282	30.331	30.398	30.421
16	30.362	30.428	30.428	30.404	30.347	30.371	30.386	30.401
17	30.365	30.374	30.384	30.342	30.308	30.3[illegible]9	30.300	30.305
18	30.230	30.187	30.200	30.137	30.096	30.098	30.074	29.932
19	29.867	29.770	29.741	29.644	29.636	29.664	29.781	29.8[illegible]2
20	29.943	30.051	30.084	30.046	30.001	30.005	30.026	30.018
21	29.998	30.010	30.009	29.948	29.874	29.870	29.858	29.841
22	29.798	29.860	29.894	29.890	29.881	29.922	29.993	30.034
23	30.022	30.024	30.021	29.954	29.890	29.858	29.824	29.761
24	29.725	29.686	29.653	29.583	29.530	29.682	29.768	29.805
25	29.874	29.915	30.019	30.001	29.988	30.018	30.046	30.024
26	29.993	29.994	29.996	29.949	29.883	29.881	29.886	29.845
27	29.737	29.698	29.747	29.757	29.779	29.786	29.926	29.936
28	29.914	29.982	30.009	29.974	29.953	29.994	30.031	30.054
29	30.044	30.068	30.081	30.036	30.000	30.028	30.094	30.106
30	30.110	30.147	30.214	30.176	30.162	30.180	30.216	30.193
31	30.215	30.207	30.212	30.146	30.092	30.068	30.061	30.037
平均 Means.	30.071	30.094	30.124	30.090	30.045	30.064	30.096	30.092

氣象觀測之月報

東京海軍觀象臺

MONTHLY REPORT

OF THE

METEOROLOGICAL OBSERVATIONS,

NAVAL OBSERVATORY, TOKIO.

Lat. 35° 39′ 17″5 N. Long. 139° 44′ 30″3 E. Height above sea-level 70 feet.

日次 Date.	改正風雨鍼 Barometer. Reduced to 32 F. & sea level. 平均 Mean.	高極 Max.	低極 Min.	寒暑鍼 Thermometer. 平均 Mean.	高極 Max.	低極 Min.	露點温度 平均 Mean Temp. of Dew point.	蒸發力 平均 Mean elastic force of Vapour.	濕氣百分數 平均 Mean Humidity (Sat. =100)	無氣中日温度 高極 Vacuum solar radiation Max.	日温度 高極 Solar radiation Max.	地温度 低極 Terrestrial radiation Min.
	in	in	in	°	°	°	°	in		°	°	°
1	30.202	30.274	30.102	42.8	52.1	33.8	29.1	0.162	59	121.2	77.8	23.0
2	30.294	30.333	30.236	39.9	47.2	33.7	32.4	0.185	76	81.8	58.5	27.0
3	30.241	30.294	30.188	33.6	34.9	32.0	32.6	0.186	96	52.0	41.8	27.0
4	30.226	30.2[illegible]6	30.161	39.8	50.5	32.9	34.4	0.199	82	125.4	72.8	26.8
5	30.241	30.285	30.196	40.4	43.8	34.2	34.8	0.202	81	69.8	51.0	26.8
6	30.290	30.392	30.226	40.0	51.6	31.0	30.8	0.173	70	120.7	76.3	17.4
7	30.444	* 30.494	30.365	41.7	52.9	* 26.7	33.9	0.197	74	120.8	77.3	* 12.9
8	30.323	30.464	30.025	43.0	49.8	30.6	38.7	0.240	86	110.0	68.1	21.1
9	29.865	29.919	29.816	52.1	66.9	40.0	44.3	0.294	77	131.9	89.7	27.1
10	29.945	30.015	29.863	43.2	54.2	34.2	28.6	0.154	56	130.0	83.4	23.6
11	30.096	30.164	30.036	37.9	49.5	30.1	26.3	0.143	63	128.5	76.2	22.8
12	30.225	30.268	30.179	40.9	51.9	30.0	28.0	0.161	62	127.0	83.5	20.1
13	29.862	30.165	29.534	41.9	46.6	36.5	39.0	0.239	90	60.9	52.0	29.1
14	29.920	30.160	29.638	49.6	59.9	41.5	34.5	0.201	57	127.2	92.8	30.5
15	30.307	30.421	30.175	45.7	54.9	37.9	35.2	0.207	67	128.7	85.3	31.8
16	30.391	30.428	30.347	47.6	58.8	37.0	39.6	0.246	75	131.8	86.0	27.9
17	30.336	30.384	30.300	52.6	63.8	38.9	44.2	0.292	75	136.3	* 93.2	27.0
18	30.119	30.230	29.932	60.4	68.3	52.0	48.8	0.346	67	132.3	86.5	42.9
19	29.746	29.867	29.574	54.8	66.3	42.5	43.7	0.303	67	125.5	82.5	35.0
20	30.022	30.084	29.943	43.2	56.0	35.3	25.7	0.140	50	123.4	77.5	26.5
21	29.926	30.010	29.841	40.1	43.9	35.0	29.0	0.161	65	66.8	53.8	26.4
22	29.909	30.034	29.798	45.8	56.5	35.0	36.2	0.216	70	121.5	77.5	27.7
23	29.919	30.024	29.761	51.6	60.9	38.0	46.2	0.323	82	107.0	80.5	26.8
24	29.679	29.805	* 29.527	61.2	* 72.8	59.7	55.5	0.449	83	* 139.8	90.7	26.6
25	29.986	30.046	29.874	42.0	49.0	38.5	39.5	0.244	91	54.0	53.2	31.0
26	29.928	29.996	29.845	45.0	54.2	38.0	38.3	0.232	78	138.1	86.2	20.5
27	29.796	29.936	29.698	42.1	52.6	33.0	28.7	0.160	61	127.0	76.7	18.3
28	29.989	30.054	29.914	42.4	52.8	30.8	25.9	0.141	52	127.9	80.2	19.0
29	30.057	30.106	30.000	44.7	55.2	32.1	29.5	0.166	56	126.1	80.1	23.5
30	30.175	30.216	30.110	47.6	59.9	33.2	34.8	0.205	63	131.0	87.9	18.8
31	30.130	30.215	30.037	52.5	60.8	38.4	43.7	0.290	73	127.0	86.8	28.0
平均 Means.	30.084	...	...	45.4	...	...	35.9	0.221	71	...	...	...
至極 Max. & Min.	...	30.494	29.527	...	72.8	26.7	...	...	...	139.8	93.2	12.9

凡例

一 風雨鍼ハ氷點及海面ニ改正ス

一 寒暑鍼ハ都テ華氏ノ度表ヲ用フ

一 露點、濕氣、蒸發力、ハ燥濕兩球寒暑鍼ノ實驗ヨリ算出ス

一 風ノ方向及速力ハ自記驗風儀ヲ以テ之ヲ測ル而シテ方向ハ八點ニ分チ速力ハ英里ヲ以テ算ス

一 天候ノ表中降雨、降雪、靄霧、雲ノ種類ハ悉皆觀望ノ時數ヲ掲ゲ陰部ハ一日間全陰ヲ十トシ他ハ之ニ比例ス又雨雪ノ水積ハ毎午前九時ニ實驗シ英寸ヲ以テ之ヲ示ス

一 磁氣偏差ハ連日午前七時傾差及地平磁針力ハ連月兩回之ヲ觀測ス

一 此觀測ノ用器ハ偏差儀傾差儀及「ユーニファイラ」磁氣儀ナリ

一 偏針角ノ觀測ニ於テ兩磁氣中心ノ相距ハ一、三英尺トス

一 搖振時ノ觀測ニ用フル磁氣ノ尺度一劃分ノ價ハ二分、三七ナリ

NOTE.

The Barometer readings are reduced to freezing point (32° F) and sea level.

Dew point, Humidity and Elastic force of Vapour are deduced from the readings of the dry and wet bulb thermometers.

Direction and Velocity of Wind are measured by Glayser's anemograph.

The numbers under the headings of Rain, Snow, Fog and the kinds of Cloud (C. K. S. N. or Rain) denote how many, out of eight observations made in a day, are either of them.

The portion of sky obscured is determined by estimation after a careful scrutiny of the clouds or sky. A clear sky is denoted by 0, and a total obscuration by 10.

The amount of Rain and Snow are measured at 9 a. m.

The Magnetic declination is observed at 7 a. m. every day, the inclination and the horizontal intensity twice a month, the instruments in use being Declinometer, Inclinometer, and Unifilar Magnetometer.

The apparent distance between the centers of the deflecting and the suspending magnets in the observation of deflection, $r = 1.3$ feet.

The angular value of one scale division of the vibration magnet = 2′.37.

晴天 B. (Blue Sky). 陰天 C. (Cloudy Weather). 濛雨 D. (Drizzling, or Light Rain).
地震 E. (Earthquake). 霧 F. (Fog). 暗黒 G. (Dark, gloomy). 霰 H. (Hail).
霜 H. F. (Hoar Frost). 電 L. (Lightning). 濃霧 M. (Misty). 陰雲 O. (Overcast).
驟雨 P. (Passing shower). 嵐 Q. (Squally). 雨 R. (Rain). 雪 S. (Snow). 雷 T. (Thunder).
天氣險惡ノ模樣 U. (Ugly, threatening). 天氣不定 V. (Variable Weather). 露 W. (Dew).
霞霧 Z. (Hazy). 日暈 *s. h.* (Solar Halo). 月暈 *l. h.* (Lunar Halo). 虹 *r. b.* (Rainbow).
風 *w* (Wind). The force of wind is expressed by w_1, w_2, &c, as w_1= slight, w_5= strongest.
快晴 *f. p.* (Fine and pleasant). 薄晴 *f. d.* (Fine, but dull). 薄陰 *d.* (Dull).

氣象及磁氣月報

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明治十九年三月

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